

Department: Dept. of Natural Resources and Parks Wastewater Treatment Division
RFP Title: Supervisory Process Control System
RFP Number: 05-085KAH
Date: June 26th, 2006
Subject: Questions/Answers June 23th, June 24th, and 26th, 2006

GENERAL QUESTIONS ASKED BY CONTRACTORS

QUESTION 06:23-#1

There is no pricing tab in 03 Exhibit C8 cost proposal for a normalized offsite remote. Since this is different from a normalized ACC the pricing will be different. How/where do I include this pricing?

ANSWER 06:23-#1

1. The normalized offsite remotes are considered part of the R-SPCS.
2. Please use the same excel spreadsheet that has been provided for the RFP.
3. Clearly identify and organize the information within the following tables, noted or marked as "offsite remote" for each pricing item related to the offsite remotes.
4. The contractor's may add an additional column to the tables to facilitate the notation "offsite remote" to improve clarity:

File Name:01 Exhibit C7 BOM Contractor
Worksheet: BOM3-Normalized R-SPCS
Table: TABLE C 7-33

File Name:02 Exhibit C8 Pricing Structure Contractor
Worksheet: Unit Prices for Materials
Table: TABLE C 8-21 - PRICING STRUCTURE FOR MATERIALS (Hardware, Software, Communications)

File Name:03 Exhibit C8 Cost Proposal Contractor
Worksheet: Cost3-Normalized R-SPCS
Table: TABLE C 8-33

QUESTION 06:24-#1

On 03 Exhibit C8 cost proposal on tab Cost5-overall summary, Line E12. Should this value come from the Cost2 tab normalized SPCS rather than the Cost3 tab normalized R-SPCS . It looks like this value is added twice. Once in line E12 and then again in line E26?

ANSWER 06:24-#1

1. Yes, please correct the following on the spreadsheet.

File: 03 Exhibit C8 cost proposal file,
Tab: Cost5-overall summary,
Line: E12, the value should be from Cost2 tab normalized SPCS.

QUESTION 06:26-#1

1. Part A Request for Proposals, page 8 of 15, Section 1.15 Forms Required before Contract Signing.

1.15 A. states that "the following forms are to be submitted with the proposal", as opposed to before contract signing. Several of the forms reference the contract. Attachment M for instance requires the contract value to be filled in. Can you please clarify which forms, if any, must be submitted with the initial proposal and which may be completed after being selected and before any contract is signed?

ANSWER 06:26-#1

- 1.1.5. A. King County is requesting that Attachments C, D, E, F, M and N be submitted with the proposal, however it is mandatory the forms be submitted at the time of award. More specifically, 1.15 C. Insurance Form and 1.15 D. (MSDS) Material Safety Data Sheets shall be submitted at the time of award and not with the proposal.

Part B Contract Attachments P, Q, R shall be signed and completed at the time of award. Refer to 1.13 Compliance with RFP Terms, Attachments and Addenda C.1 for contract/attachment review instructions for P,Q,R.

QUESTION 06:26-#2

1. Exhibit C7 Scope of Supply, page 18 of 33, Section 2.7.D.3. "Plant to Plant network shall pass through Cisco Systems ASA5540 Adaptive Security and Cisco Catalyst 6509-E Switch." Drawing C2-G000001 shows two point to point networks between each plant.

- a. Please verify that the ASA5540 and catalyst switch will be supplied and configured by others. Is the same equipment on both networks?
- b. Does this represent a layer 2 connectivity or is it a routed connectivity? Are the networks depicted in G000001 independent of the County WAN?
- c. Is any part of the connection to the County WAN redundant, i.e., does the County expect two hand offs to a single device from any given process network?
- d. Drawing C2-G000001 does not indicate any connection between each of the three plants and a downtown location, although drawing C2-G000003 indicates six workstations at the R-SPCS level. What is the interface to the County WAN at King Street from the three plants?

ANSWER 06:26-#2

1. Drawing G000001, provides a concept for the Contractor to provide a solution. The contractor shall expand on this drawing to provide a proposed solution, using the contractor's equipment.
 - a. The proposal shall include all hardware, software, and services to ensure that the SPCS and R-SPCS will provide the County with a complete system that will meet their goals and objectives. The County relies on the Contractor as experts on their proposed hardware, software, and services and it is critical that all router, switches, and related system elements be included as part of the submittal. Please provide the necessary information in the RFP table as follows:

01 Exhibit C7 BOM Contractor
BOM1-Normalized ACC
BOM2-Normalized SPCS
BOM3-Normalized R-SPCS
BOM4-Normalized Services

03 Exhibit C8 Cost Proposal Contractor
Cost1-Normalized ACC
Cost2-Normalized SPCS
Cost3-Normalized R-SPCS
Cost4-Normalized Services
Cost5-Overall Summary

02 Exhibit C8 Pricing Structure Contractor
Unit Prices for Materials
Unit Prices for Services

The Contractor is encouraged to provide alternative solutions, such as County Supplied ASA5540 and catalyst switch, or alternative hardware. Provide these in the following tables.

01 Exhibit C7 BOM Contractor
BOM6-Optional Items

03 Exhibit C8 Cost Proposal Contractor
Cost6-Optional Items

02 Exhibit C8 Pricing Structure Contractor
Unit Prices for Optional Mat
Unit Prices Optional Service

2. At this time it is not the intent to have the named network equipment to be provided and configured by others.
3. Paragraph b:
 - b. The RFP requires the Contractor to provide information on the proposed SPCS and R-SPCS network architecture as requested in Exhibit C6 Contractor Compliance with Specified Requirements and Exhibit C7 Scope of Supply. The Contractor shall clearly indicate if the proposed system is a layer 2, layer 3, combination, mesh, or other. Layer 3 routing is the proposed connectivity but the Contractor may provide a superior technology or architecture capable of delivering the same or better results. The networks depicted in G000001 may reside on the same fiber, or fiber bundle as the County WAN. The contractor can make assumptions (and clearly state them) such as to propose the best solution for the SPCS; this is to say, assume what is best for the SPCS, irrespective of the final details that are or may be out of the contractor's direct control.
4. Paragraph c:

- c. The proposed SPCS and R-SPCS network architecture is designed to be redundant. The County WAN is logically and in some cases physically separated from the SPCS and the R-SPCS. Connections to the County WAN shall be redundant.

5. Paragraph d:

- d. The three plants as illustrated on drawing C2-G000003 represent required connectivity for control and monitoring. The King Street downtown location will be used for monitoring, data exchange through the OSI PI Historian (Tier 5) and other (Tier 6 and Tier 7 based) enterprise business applications. Although currently there are no plans to perform real time monitoring and control of the three plants from the King Street location at Tier 3 or 4, the proposed SPCS and R-SPCS shall have the capability to provide this functionality if it is desired by the County in the future. The future intent is for remote monitoring and control anywhere on the secure process network (i.e. for conveyance, flow management, and storm events).

QUESTION 06:26-#3

- 1. I would also like to point out that there is a formula error in the Contractor Forms, Table C 8-35. Cell E12 points to Cost3 R-SPCS whereas it should point to the Cost2 SPCS total. Note also that the formula for the total cost on Cost2 SPCS may not pick up values from additional inserted lines.

ANSWER 06:26-#3

- 1. Refer to **ANSWER 06:24-#1** above.

“Yes, error acknowledged; please correct the following on the spreadsheet.”

“File: 03 Exhibit C8 cost proposal file,

Tab: Cost5-overall summary,

Line: E12, the value should be from Cost2 tab normalized SPCS. “

QUESTION 06:26-#4

- 4. In the document “Request for Proposals, Part A”, page 1, there are a couple of questions relating to delivery.

Delivery guaranteed: yes/no

Days after order: _____

What delivery do they intend (products or engineered panel). The spec requires the supplier to deliver a panel but the BOM is parts only. Also, different parts have different lead times.

ANSWER 06:26-#4

- 1. This information will be addressed in the contract. Therefore, there is no need to fill in this information at this time. Also refer to answer 06:26-#05 on a related subject.

QUESTION 06:26-#5

- 1. The “Request for Proposals, Part A” section 1.15 requires that a number of form be filled out and provided with the bid. Some of the forms require that they also be submitted elsewhere. There is also a statement that the forms are required at contract signing. Please verify whether these forms need to be filled out or not.

If so, Please identify what the county expects to receive for item 1.15.C “Insurance and Endorsement Form”

ANSWER 06:26-#5

1. Refer to **ANSWER 06:26-#1** above.

QUESTION 06:26-#6

1. Item 1.15.D requests that the Material Safety Data Sheets (MSDS), if applicable, be provided. It then refers to Part B, Subsection 2-23. This subsection refers to non-disclosure of information and not MSDS. Please clarify.

ANSWER 06:26-#6

1. Part A (Request for Proposal) identifies the requirement for Item 1.15.D Material Safety Data Sheets (MSDS), is not applicable. Part B (Contracts) Subsection 2-23 is applicable and is required by the Contractor.

QUESTION 06:26-#7

1. In Table 1.2.9: Part C, Exhibit C1, System Specifications, Tier 4 - EWS

Item 14 states:

Is any change in the database reflected in the primary and redundant processors wherever there is an interdependence between the database and the program logic?

Is the meaning of the above question:

How does changes in the DSP database get propagated [compiled and downloaded]? To the primary and update redundant; To the redundant, switch over primary and then update.

Can we obtain an amplification?.

ANSWER 06:26-#7

1. In 00 Exhibit C6, Table 1.2.9: Part C, Exhibit C1, System Specifications, Tier 4 – EWS, Item 14, the following is a clarification:
“If changes in the DSP database are required online and offline during run operations of the DSP, does the change get automatically propagated [compiled and downloaded] to the primary and redundant processors? Is the redundant processor automatically updated with no operator intervention?

QUESTION 06:26-#8

1. In Exhibit C1, Page 7 of the Tier 0 - System Summary (Page 15 of 133 in the .pdf), we are required to submit a "system requirements report summary".
Could the county please clarify what this is and what format is required. We do not have this report in our current internal work assignments

ANSWER 06:26-#8

1. All proposals shall be organized by a table of content as outline in the RFP, Exhibit C7: Scope of Supply, 1.1 Description. In 01 Exhibit C1, Exhibit C1: System Specifications, Tier 0 – System Summary, subsection 1.5 SPCS Response Requirements, B, 2, system requirements report summary refers to the written description of the technical approach (Exhibit C7: Scope of Supply, 1.1 Description, item 3).

QUESTION 06:26-#9

1. What is the requirement of OSIsoft PI? Do we need to price out an OSIsoft PI historian?

ANSWER 06:26-#9

1. RFP and subsequent clarifications make it clear that the SPCS must integrate with OSIsoft PI System 3.4, already purchased by County. Contractors must provide their solutions to integrate the SPCS with PI, and to show how they do it from a technical perspective, and what costs are involved in the integration.

- (a) The Contractor is not to purchase an OSIsoft PI historian.
- (b) The contractors are directed to detail the proposed technical solutions of their proposed system integration with OSIsoft PI, and the parts (hardware, software and communications), which they need to implement the proposed solutions.
- (c) The contractors may need to include and utilize software drivers or interfaces from OSIsoft to render their technical solutions fully functional.
- (d) The contractor is to leave commercial considerations that would have to be obtained from OSIsoft out of the pricing proposal. The contractor is to include only costs known to them about their part of the technical solution.
- (e) The County already has a pricing structure with OSIsoft for PI components. Therefore, OSIsoft pricing for the contractor's identified components required specifically from OSIsoft can be obtained as a pricing clarification at the later date after the proposal closure.

However, the Contractor is responsible for detailing their technical solutions such that it is clearly described and itemized, and the only component missing is the OSIsoft cost.

- (f) The County does not require the Contractor to get OSIsoft involved in the proposals at this time.

END OF GENERAL QUESTIONS ASKED BY CONTRACTORS